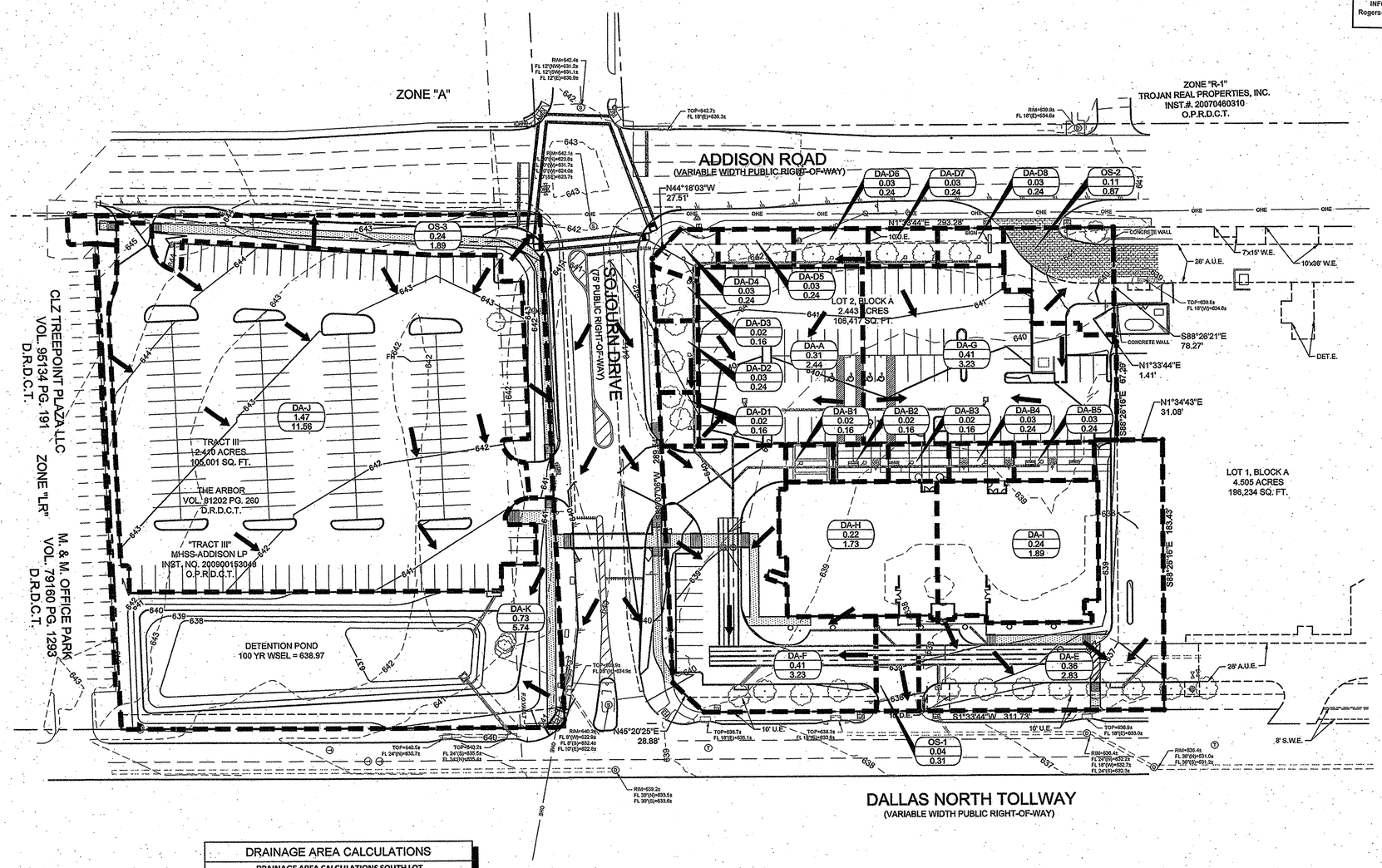
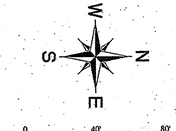
RECORD DRAWINGS
(July 2013)
INFORMATION PROVIDED BY:
Rogers-O'Brien Construction Company





LEGEND

	PROPERTY LINE
455	EXISTING MAJOR CONTOUR
453	EXISTING MINOR CONTOUR
455	PROPOSED MAJOR CONTOUR
453	PROPOSED MINOR CONTOUR
	DRAINAGE AREA BOUNDARY
	FLOW ARROW
DA-1 / 0.54 AC / 4.2 CFS	DRAINAGE AREA / AREA / 100-YEAR FLOW RATE

DRAINAGE AREA CALCULATIONS

DRAINAGE AREA CALCULATIONS NORTH LOT

DA	Area (Acres)	C	Tc (min)	I100 (in/hr)	Q100 (cfs)
DETAINED AREA					
DA-B1	0.02	0.90	10	8.74	0.16
DA-B2	0.02	0.90	10	8.74	0.16
DA-B3	0.02	0.90	10	8.74	0.16
DA-B4	0.03	0.90	10	8.74	0.24
DA-B5	0.03	0.90	10	8.74	0.24
DA-D1	0.02	0.90	10	8.74	0.16
DA-D2	0.03	0.90	10	8.74	0.24
DA-D3	0.02	0.90	10	8.74	0.16
DA-D4	0.03	0.90	10	8.74	0.24
DA-D5	0.03	0.90	10	8.74	0.24
DA-D6	0.03	0.90	10	8.74	0.24
DA-D7	0.03	0.90	10	8.74	0.24
DA-D8	0.03	0.90	10	8.74	0.24
DA-A	0.31	0.90	10	8.74	2.44
DA-F	0.41	0.90	10	8.74	3.23
DA-G	0.41	0.90	10	8.74	3.23
DA-H	0.22	0.90	10	8.74	1.73
DA-I	0.24	0.90	10	8.74	1.89
TOTAL	1.93				15.18
UNDETAINED AREA					
OS-1	0.04	0.90	10	8.74	0.31
ACCOUNTED FOR IN EXISTING HOSPITAL DETENTION					
OS-2	0.11	0.90	10	8.74	0.87
DA-E	0.36	0.90	10	8.74	2.83
TOTAL	0.47				3.70

DRAINAGE AREA CALCULATIONS

DRAINAGE AREA CALCULATIONS SOUTH LOT

DA	Area (Acres)	C	Tc (min)	I100 (in/hr)	Q100 (cfs)
DA-J	1.47	0.90	10	8.74	11.56
DA-K	0.73	0.90	10	8.74	5.74
OS-3	0.24	0.90	10	8.74	1.89
TOTAL	2.44				19.19

DRAINAGE AREA NOTE

THE TOTAL DRAINAGE ARE FOR THE "DETAINED AREA" AND "OS-1" ARE EQUAL TO THE 1.98 ACRE EXISTING DRAINAGE AREA SHOWN ON SHEET C-06B. DRAINAGE AREA "DA-E" IS REPRESENTATIVE OF THE EXISTING AREA "DA-2" ON SHEET C-06B. DRAINAGE AREA "OS-2" IS REPRESENTATIVE OF AREA "DA-3" ON SHEET C-06B. DRAINAGE AREAS "OS-2" AND "DA-E" OMIT THE PORTIONS NOT ON OUR PROPERTY AS THEY ARE TYING INTO THE EXISTING DETENTION SYSTEM FOR THE HOSPITAL PROJECT.

THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION . IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE. CALL 1-800-DIG-TESS AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION IN VICINITY.

BENCH MARK LIST

1. "☐" FOUND ON TOP OF THE CONCRETE BASE OF A LIGHT POLE IN THE CENTER MEDIAN OF EXCEL PARKWAY APPROXIMATELY 50 FEET WEST OF THE CENTERLINE OF ADDISON ROAD. (PER TOWN OF ADDISON PLAN # 96103, SHEET 2, DATED JANUARY 1998)
   ELEV=644.41

2. BM #60"☒" SET ON TOP OF A CONCRETE CURB INLET LOCATED ON THE WEST SIDE OF DALLAS PARKWAY APPROXIMATELY 826 FEET NORTH OF THE CENTERLINE OF SOJOURN DRIVE.
   ELEV=632.78

3. BM #61"☒" SET ON TOP OF A CONCRETE CURB INLET LOCATED ON THE WEST SIDE OF DALLAS PARKWAY APPROXIMATELY 160 FEET NORTH OF THE CENTERLINE OF SOJOURN DRIVE.
   ELEV=638.04

STOP!
CALL BEFORE YOU DIG
DIG TESS
1-800-DIG-TESS
(@ least 72 hours prior to digging)

CAUTION!!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

Kimley-Horn and Associates, Inc.
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Frisco, Texas 75034
Firm No. F-928

STATE OF TEXAS
DAVID K. KOCHALKA
67781
LICENSED
PROFESSIONAL ENGINEER
6/15/12

METHODIST PAVILION ONE

TOWN OF ADDISON, DALLAS COUNTY, TEXAS

DRAINAGE AREA MAP

Scale:	AS SHOWN
Designed by:	DKK
Drawn by:	RK
Checked by:	DKK
Date:	06/12/2012
Project No.	69065000

SHEET
C-06A

IMAGES
XREFS
DATE PLOTTED BY
DWG NAME
LAST SAVED